

**FCC APPEAL OF INCOMPLETE E-RATE APPEAL PROCESS & CORRESPONDING WAIVER OF  
DEADLINE DUE TO LACK OF REQUESTED CONTACT/NOTIFICATION FROM APPEAL REVIEWER  
AS PER SUBMITTED E-MAIL:**

**REQUESTED ADDITIONAL CONFIRMATION OF INTENT**

**DOCKET NUMBER:** 02-6

**DATE:** 4/11/2019

**SCHOOL BEN ENTITY:** GREENCASTLE ANTRIM SCHOOL DISTRICT

**BEN ENTITY #:** 125724

**CONTACT:** STEVE MANDARINO [steve mandarino@advanedgesolutions.com](mailto:steve mandarino@advanedgesolutions.com) 412-668-0785

**FUNDING YEAR:** 2017-18

**471 APPLICATION #:** 171040473

**ORIGINAL FILED APPEAL #:** 86670

**BACKGROUND OPENING STATEMENT:** A FOLLOW-UP RESPONSE TO THIS FCC APPEAL WAS ORIGINALLY PROVIDE IN AUGUST OF 2018 TO PROVIDE DETAILS RELEVANT TO THE MISSING ITEMS DUE TO THE TRUCATED/INCOMPLETE BULK UPLOAD ISSUE IDENTIFIED. THE REVIEWER HOWEVER DID NOT NOTE RECEIPT OF THIS INFO SO HE REACHED BACK OUT VIA PHONE CALL ON 2/25/2019 AND REQUESTED STATUS OF WHERE THE RESPONSE WAS. DISCUSSION CONFIRMED THAT REQUESTED FOLLOW-UP WAS SENT 11/29/2018. UPON FURTHER REVIEW THE 11/29/2018 RESPONSE WAS LOCATED AT HIS END AND WAS THEN REVIEWED.

ON 3/26/2019 THE REVIEWER FOLLOWED UP WITH A CALL SEEKING ADDITIONAL DATA THAT WOULD CONFIRM THAT THE INTENT (PRE-471 FILING) WAS TO SUBMIT THE ITEMS NOTED AS MISSING/TRUNCATED AS OUTLINED IN OUR APPEAL. IN SUPPORT OF THIS REQUEST WE ARE OUTLINING OUR PROCESSES, NOTING SPECIFIC STATEMENTS WHERE RELEVANT AND PROVIDING PRE-FILING DOCUMENTATION OF PROCESSES EXECUTED (LEVERAGING FULL EXECUTABLE DOCUMENTS (NOT PDF IMAGES) AS THEY PROVIDE THE BEST OPPORTUNITY TO SHOW THE STANDARDIZED PROCESSES. EXECUTED.

**EXECUTED PROCESSES:** LISTED BELOW ARE THE PROCESSES FOLLOWED FOR THE DISTRICT AND EXECUTED FOR ALL FOUR OF THE DISTRICT SITES:

- 1.) SURVEY/DISCOVERY PROCESSES ARE EXECUTED WITH THE SCHOOL STAFF TO IDENTIFY BASE-LINE SERVICE BENCHMARKS/EQUIPMENT FUNCTIONAL NEEDS.
- 2.) THE DATA FOR THE PROCESSES NOTED ABOVE ARE CONVERTED INTO CORRESPONDING 470/RFPs AND COORDINATED AS PER E-RATE PROGRAM/DISTRICT MANDATES AND REQUIREMENTS. IT SHOULD BE NOTED THAT BIDS ARE STRUCTURE FOR PER-UNIT/SERVICE PRICING WHICH IS THEN EXECUTED AGAINST SPECIFIC QUANTITY NEEDS FOR EACH DISTRICT SITE.
- 3.) UPON MATURATION OF THE 470/RFP POSTINGS BID REPORTS ARE FORMULATED FOR DISTRICT REVIEW/SCORING AND THEN APPROPRIATE CONTRACTS ARE SIGNED.
- 4.) A PROJECT QUANTITY NEEDS SPREADSHET IS THEN PUSHED TO THE SCHOOL TO IDENTIFY THE SPECIFIC QUANTITIES THE SCHOOL WISHES TO ACQUIRE VIA E-RATE FOR EACH EQUIPMENT/SERVICE ITEM BY SITE. THIS REPORT IS PUSHED TO SCHOOL VIA E-MAIL WHERE THEY EMBEDD THE DESIRED/NEEDED QUNTITIES AND SENT BACK TO THE CONSULTANT.
- 5.) UPON RECEIVING THESE REPORTS CORRESPONDING PRELIMINARY PROJECT FUNDING REPORTS ARE CREATED WITH NOTES TOTALS FOR THE PROJECT AND SCHOOL'S BUDGET ITEMS. THIS REPORT IS THEN PUSHED TO/DISCUSSED WITH THE SCHOOL FOR FINAL APPROVAL.

- 6.) UPON CONFIRMATION OF APPROVAL (EITHER VIA E-MAIL OR FOLLOW-UP CONFERENCE CALL) THE REPORT IS USED TO CREATE THE BULK UPLOAD FILE AND CORRESPONDING 471 APP FOR THAT SCHOOL. 471 APPLICATION INFORMATION (I.E.: 471 # AND FRN#(s) ARE THEN NOTED ON THE REPORT AND A DETERMINATION OF "FINAL" IS BRANDED ON THE REPORT.
- 7.) IT SHOULD BE NOTED THAT THIS PER-UNIT PRICING OPTION CONTRACT MODEL IS PROGRAM APPROVED AND HAS PASSED NUMEROUS PROGRAM AUDITS ACCORDINGLY.

**REGARDING THIS APPEAL FOLLOW-UP REQUEST:** NOTING THE PROCESSES DEFINED ABOVE, WE ARE ATTEMPTING TO VIA ONE MECHANISM OR ANOTHER (VIA THE FCC FILING TOOL AND/OR E-MAIL TO THE REVIEWER DIRECTLY) TO PROVIDE THE FOLLOWING:

- A.) FORWARD OF ACTUAL E-MAIL FROM SCHOOL ADMINISTRATOR RECEIVED ON 4/23/2017 @5:48 P.M. CONFIRMING QUANTITIES AS PER RFP ITEM/SERVICES LIST SHOWING ACTUAL QUANTITIES TO BE USED FOR EACH SITE'S 471 APP DETAILS. WE HAVE INCLUDED A SNAPSHOT OF THIS E-MAIL AND A SNAPSHOT OF THE TWO WORKSHEET TABS FOR THE H.S. THAT ARE REFLECTED IN THE ATTCHMENT. SEE THE IMAGES EMBEDDED BELOW THIS ITEM NUMBER. **NOTE: WE CAN ALSO FORWARD THIS E-MAIL DIRECTLY TO THE REVIEWER SO THAT THEY CAN SEE THE ACTUAL ITEMS/QUANTITIES LISTED. (SEE THESE IMAGES BELOW). PLEASE RESPOND TO [STEVEMANDARINO@ADVANEDGESOLUTIONS.COM](mailto:STEVEMANDARINO@ADVANEDGESOLUTIONS.COM) WITH A REQUEST FOR THIS E-MAIL FORWARDING SO YOU CAN SEE DIRECTLY THE DOCUMENTS IN THEIR ORIGINAL FORMAT (NOT A PRINT IMAGE)**

FW: PROJECT EQUIPMENT NEEDS WORKSHEETS AS DISCUSSED

From: Dwight D. Bard <[dbard@gcasd.org](mailto:dbard@gcasd.org)>

Sent: Thu, Apr 11, 2019 at 11:37 am

To: [stevemandarino@advancedgesolutions.com](mailto:stevemandarino@advancedgesolutions.com)

FORWARDED ON THIS DATE FOR CONSTRUCTION OF THE FCC  
APPEAL RESPONSE

[image001.jpg](#) (6.8 KB) [image002.png](#) (1.1 KB) [image003.png](#) (< 1 KB) [image004.png](#) (1.1 KB) [image005.png](#) (1.4 KB) [image006.png](#) (1.1 KB)

[Greencastle-Antrim Datacenter-GASD - PRE-FUNDING\\_SUMMARY\\_RPT-YR2017-2018-C2--- Initial - Copy.xls](#) (350.3 KB)

[Greencastle-Antrim Elementary School -GASD - PRE-FUNDING\\_SUMMARY\\_RPT-YR2017-2018-C2--- Initial - Copy - Copy.xls](#) (358.5 KB)

[Greencastle-Antrim High School -GASD - PRE-FUNDING\\_SUMMARY\\_RPT-YR2017-2018-C2--- Initial.xls](#) (358.5 KB)

[Greencastle-Antrim Middle School -GASD - PRE-FUNDING\\_SUMMARY\\_RPT-YR2017-2018-C2--- Initial - Copy.xls](#) (358.5 KB)

[Greencastle-Antrim Primary School -GASD - PRE-FUNDING\\_SUMMARY\\_RPT-YR2017-2018-C2--- Initial - Copy - Copy - Copy.xls](#) (358.5 KB) - Download all

NOTE: WE ALSO ATTACHED THIS  
SOURCE EXCEL FILE SO THE  
REVIEWER CAN SEE THE MULTI-  
LEVEL PROJECT ORDERING  
PROCESS AS DEFINED IN OUR  
PROCESSES LIST DETAILED IN THIS  
APPEAL RESPONSE DOCUMENT

Images not displayed. [SHOW IMAGES](#) | [ALWAYS SHOW IMAGES FROM THIS SENDER](#)

FYI -

Thanks,

Dwight Bard

Director of Technology

Greencastle-Antrim School District

500 E. Leistersburg St. Greencastle, PA 17225

[dbard@gcasd.org](mailto:dbard@gcasd.org) | [dbard@questeq.com](mailto:dbard@questeq.com) | (office): 717-597-3226 x60507

NOTE: DATE  
PRECEDES THE  
471 CERT DATE

From: "Dwight D. Bard" <[dbard@gcasd.org](mailto:dbard@gcasd.org)>

Date: Saturday, April 22, 2017 at 11:47 PM

To: "[stevemandarino@advancedgesolutions.com](mailto:stevemandarino@advancedgesolutions.com)" <[stevemandarino@advancedgesolutions.com](mailto:stevemandarino@advancedgesolutions.com)>

Subject: RE: PROJECT EQUIPMENT NEEDS WORKSHEETS AS DISCUSSED

Hi Steve,

Sorry for the confusion. I misinterpreted the use of these spreadsheets, but have corrected each sheet to reflect the desire for a 5 YR lease on everything (wireless, switches, and firewall).

I'm unable to change the QTY. on the "Firewall-Leased" tab on any of the spreadsheets, as the tab seems to be protected. However, I did place a 1 in QTY on the "Switches-Leased" tab for the MX600. The MX600 is the firewall, so it looked to appear on both tabs. Either way, we're only looking to lease 1 firewall, and of course split between the four buildings.

Hoping this clears things up!

ONE QUESTION --- My SY17-18 budget has not yet been board approved. With that said, I may need to change the type of switches we select from the MS350 to MS250 series switches depending on how much is approved. Will this be a problem?

Thanks,

Dwight Bard, M.Ed.

Director of Technology

Greencastle-Antrim School District

500 E. Leistersburg St. Greencastle, PA 17225

[dbard@gcasd.org](mailto:dbard@gcasd.org) | [dbard@questeq.com](mailto:dbard@questeq.com) | (office): 717-597-3226 x60507

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From: [stevemandarino@advancedgesolutions.com](mailto:stevemandarino@advancedgesolutions.com) [mailto:[stevemandarino@advancedgesolutions.com](mailto:stevemandarino@advancedgesolutions.com)]

Sent: Saturday, April 22, 2017 4:39 PM

To: Dwight D. Bard <[dbard@gcasd.org](mailto:dbard@gcasd.org)>

Subject: RE: PROJECT EQUIPMENT NEEDS WORKSHEETS AS DISCUSSED

Importance: High

HI DWIGHT...

GOOD START BUT I HAVE SOME CHALLENGES...

1.) I NOTE THAT YOU IDENTIFIED "OWNED" SWITCH QUANTITIES AND WIRELESS AND ALSO LEASED...ARE YOU PLANNING A HYBRID?

2.) ON LEASE EQUIPMENT SHEETS YOU IDENTIFIED QUANTITIES FOR ALL TERM PERIODS. I NEED YOU TO SELECT ONE AS I CAN'T LEVERAGE PRICING FOR THIS MAY DYNAMICS...ALSO, THE CONTRACT WILL NEED TO HAVE THE TERM STATED. PLEASE ADVISE.

I'M AT DESK AT 412-668-0785 IF YOU WANT TO DO A FAST CALL...

THANKS!

STEVE

-----Original Message-----

From: "Dwight D. Bard" <[dbard@gcasd.org](mailto:dbard@gcasd.org)>

Sent: Saturday, April 22, 2017 4:02pm

To: "[stevemandarino@advancedgesolutions.com](mailto:stevemandarino@advancedgesolutions.com)" <[stevemandarino@advancedgesolutions.com](mailto:stevemandarino@advancedgesolutions.com)>

Subject: RE: PROJECT EQUIPMENT NEEDS WORKSHEETS AS DISCUSSED

Hi Steve,

Attached are the equipment need sheets. \*NOTE\* On all sheets, there was a description error on the Meraki switches (EPLUS 2ND PRICING SHEET) tab. Line # 7 part number did not match the description. However, the part number was correct, so I still filled out the appropriate quantities.

Also, I only filled in a quantity for firewall on our datacenter spreadsheet. I wasn't sure if I was supposed to put .25 for each building, or leave as 0.

Lastly, I have no need for UPS backups at this time, so I left those tabs at 0.

Please let me know if I missed anything.

Thanks,

**Dwight Bard, M.Ed.**

*Director of Technology*

**Greencastle-Antrim School District**

500 E. Leidersburg St. Greencastle, PA 17225

[dbard@gcasd.org](mailto:dbard@gcasd.org) | [dbard@questeq.com](mailto:dbard@questeq.com) | (office): 717-597-3226 x60507

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**From:** [stevemandarino@advanedgesolutions.com](mailto:stevemandarino@advanedgesolutions.com) [<mailto:stevemandarino@advanedgesolutions.com>]

**Sent:** Saturday, April 22, 2017 11:46 AM

**To:** Dwight D. Bard <[dbard@gcasd.org](mailto:dbard@gcasd.org)>

**Subject:** PROJECT EQUIPMENT NEEDS WORKSHEETS AS DISCUSSED

**Importance:** High

HI DWIGHT...

ATTACHED IS THE EQUIPMENT NEEDS WORKSHEETS FOR YOUR PROJECT(S). WHAT NEEDS TO BE DONE IS THE FOLLOWING:

- 1.) COPY THE FILE ONCE FOR EACH C2 SCHOOL PROJECT YOU ARE PLANNING...BEING SURE TO RE-NAME WITH SCHOOL SITE NAME AT THE "XXXXX" AREA WITHIN THE ORIGINAL DOC NAME.
- 2.) WALK THROUGH ALL OF THE WORKSHEET TABS (NOTE TO ADDRESS ALL TABS AS THE IN SCREEN DISPLAY TRUNCATES DISPLAY OF SEVERAL TABS) AND MAKE IN QUANTITIES IN THE YELLOW HIGHLIGHTED COLUMNS AS NOTED. YOU CAN PLACE NOTES TO YOURSELF/ME IN THE CORRESPONDING YELLOW HIGHLIGHTED "COMMENT" LINES.
- 3.) REPEAT FOR EVERY WORKSHEET TAB
- 4.) ONCE DONE, SAVE EXCEL DOC THEN SEND TO ME ASAP.
- 5.) REPEAT THESE STEPS FOR EACH SCHOOL SITE WHERE YOU ARE EXPECTING TO LEVERAGE C2 FOR THIS YEAR.

IN ADDITION TO THIS I WILL BE FORWARDING YOU CONTRACT DOCS WHICH IMMEDIATELY NEED YOUR SIG, SCANNED AND SENT BACK TO ME & DELANA.

THANKS!

I'M HERE WORKING...ANY QUESTIONS CALL AT 412-668-0785.

THANKS!

STEVE

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GASD

Greencastle-Antrim School District

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NOTE: THESE ARE THE SNAPSHOTS OF THE TWO EXCEL WORKSHEETS FOR THE H.S. SITE AS PER ATTACHED TO THE E-MAIL FROM THE SCHOOL ADMINISTRATOR (DATED BEFORE 471 CERTIFICATION DATE CONFIRMING THE QUANTITIES NEEDED FOR THIS SITE...(USED TO BUILD THE BULK UPLOAD FILE)

Quote Number  
22015177

Greencastle-Antrim School District

Line No	MFG SKU	MFG Name	Description	Qty	GASD price	3 year payments	QTY	4 year payments	QTY	5 year payments	QTY	COMMENT:
1	MS250-24P-H	CISCO	MERAKI MS250-24P L3 STCK CLD-MN	tbd	\$ 2,288.50	\$ 805.12	0	\$ 621.80	0	\$ 512.99	0	
2	LIC-MS250-24	CISCO	MERAKI MS250-24P ENTERPRISE LIC	tbd	\$ 324.62	\$ 114.21	0	\$ 88.20	0	\$ 72.77	0	
3	MS250-48FP-L	CISCO	MERAKI MS250-48FP L3 STCK CLD-M	tbd	\$ 3,903.10	\$ 1,373.16	0	\$ 1,060.50	0	\$ 874.91	0	
4	LIC-MS250-48	CISCO	MERAKI MS250-48LP ENTERPRISE LI	tbd	\$ 504.53	\$ 177.50	0	\$ 137.08	0	\$ 113.10	0	
5	MS350-24P-H	CISCO	MERAKI MS350-24P L3 STCK CLD-MN	tbd	\$ 2,969.30	\$ 1,044.64	0	\$ 806.78	0	\$ 665.59	0	
6	LIC-MS350-24	CISCO	MERAKI MS350-24P ENTERPRISE LIC	tbd	\$ 445.87	\$ 156.86	0	\$ 121.14	0	\$ 99.94	0	
7	MS350-24X-H	CISCO	MERAKI MS350-48FP L3 STCK CLD-M	tbd	\$ 3,447.70	\$ 1,212.94	0	\$ 936.76	0	\$ 772.83	3	
8	LIC-MS350-24	CISCO	MERAKI MS350-24X ENTERPRISE LIC	tbd	\$ 785.70	\$ 276.42	0	\$ 213.48	0	\$ 176.12	3	
9	MS350-48FP-L	CISCO	MERAKI MS350-48FP L3 STCK CLD-M	tbd	\$ 5,352.10	\$ 1,882.93	0	\$ 1,454.20	0	\$1,199.72	8	
10	LIC-MS350-48	CISCO	MERAKI MS350-48LP ENTERPRISE LI	tbd	\$ 735.29	\$ 258.68	0	\$ 199.78	0	\$ 164.82	8	
11	MS425-16-HW	CISCO	MERAKI MS425-16 L3 CLD-MNGD 16X	tbd	\$ 6,440.00	\$ 2,265.67	0	\$ 1,749.79	0	\$1,443.58	1	
12	LIC-MS425-16	CISCO	MERAKI MS425-16 ENTERPRISE LICE	tbd	\$ 966.10	\$ 339.89	0	\$ 262.50	0	\$ 216.56	1	
13	MA-SFP-10GE	CISCO	MERAKI 10G BASE LR SINGLE-MODE	tbd	\$ 1,837.70	\$ 646.53	0	\$ 499.31	0	\$ 411.93	1	
14	MA-SFP-10GE	CISCO	MERAKI 10G BASE SR MULTI-MODE	tbd	\$ 457.70	\$ 161.02	0	\$ 124.36	0	\$ 102.60	22	
15	MA-SFP-1GB-	CISCO	MERAKI 1000BASE SX MULTI-MODE	tbd	\$ 230.00	\$ 80.92	0	\$ 62.49	0	\$ 51.56	1	
16	MA-QSFP-40G	CISCO	MERAKI SR4 QSFP 40G TRANSCEIVE	tbd	\$ 1,377.70	\$ 484.69	0	\$ 374.33	0	\$ 308.82	0	
17	MA-QSFP-40G	CISCO	MERAKI LR4 QSFP 40G TRANSCEIVE	tbd	\$ 5,014.00	\$ 1,763.99	0	\$ 1,362.33	0	\$1,123.93	0	
18	MA-CBL-40G-	CISCO	MERAKI 40GBE QSFP CABLE, 0.5 ME	tbd	\$ 46.00	\$ 16.18	0	\$ 12.50	0	\$ 10.31	2	
19	MA-CBL-40G-	CISCO	MERAKI 40GBE QSFP CABLE, 1 METE	tbd	\$ 92.00	\$ 32.37	0	\$ 25.00	0	\$ 20.62	4	
20	MA-CBL-40G-	CISCO	MERAKI 40GBE QSFP CABLE, 3 METE	tbd	\$ 138.00	\$ 48.55	0	\$ 37.50	0	\$ 30.93	2	
21	LIC-MX600-SB	CISCO	MERAKI MX600 ADV SECURITY LICEN	tbd	\$ 37,546.67	\$ 13,209.38	0	\$ 10,201.66	0	\$8,416.38	0	
22	MX600-HW	CISCO	MERAKI MX600 Cloud Managed - firew	tbd	\$ 14,717.70	\$ 5,177.87	0	\$ 3,998.89	0	\$3,299.09	0	

Quote Number  
22015177

Greencastle-Antrim School District

Line No	MFG SKU	MFG	Description	Qty	GASD price	3 year payments	QTY:	4 year payments	QTY:	5 year payments	QTY:	COMMENTS:
1	MR52-HW	CISCO	MERAKI MR52 CLOUD MANAGED AP	tbd	\$643.54	\$ 226.41	0	\$ 174.85	0	\$ 144.25	50	
2	MR42-HW	CISCO	MERAKI MR42 CLOUD MANAGED AP	tbd	\$505.54	\$ 177.86	0	\$ 137.36	0	\$ 113.32	0	
3	LIC-ENT-5YR	CISCO	MERAKI MR ENTERPRISE LICENSE 5	tbd	\$176.00	\$ 61.92	0	\$ 47.82	0	\$ 39.45	50	

EXTENDED COST = \$7212.50

**IMPORTANT NOTE:** UPON REVIEWING ALL THIS DATA FOR THE APPEAL IT HAS BEEN DISCOVERED THAT THE BULK UPLOAD TOOL TRUNCATION NOT ONLY TRUNCATED ALL OF THE SWITCH ITEMS BUT ALSO THE 1ST ITEM IN THE WIRELESS EQUIPMENT GROUP. THE H.S. FRN ACTUALL STARTSAND ENDS AT FRN LINE ITEM #1799091071.002. THUS, THAT MISSING ITEM SHOULD ALSO BE INCLUDED.

**B.)** PLEASE SEE THE DETAILS ON THE FOLLOWING PAGE WHICH IDENTIFIES THE TRUNCATED BULK-UPLOAD ITEMS MISSING FROM THE HIGH SCHOOL' 471 APP/FRN. THESE ARE THE FRN LINE ITEMS THAT WOULD'VE BEEN IDENTIFIED UNDER A NORMAL PIA REVIEW PROCESS AS THOSE NEEDED TO BE CORRECTED (AS PERMITTED UNDER CLERICAL/DATA TRANSFER UPLOAD ISSUES). THE CORRESPONDING CONTRACT FOR SAID LEASED SERVICES ARE REFLECTED IN THE CONTRACT UPLOADED IN EPC. QUANTITIES PER LINE ITEM ARE AS NOTED. ALL ITEMS ARE DEDICATED TO THE HIGH SCHOOL SITE ENTITY ONLY. CORRECTION EQUATES TO AN ADDITIONAL \$18,308.88 FOR THE SWITCHING LINE ITEMS AND AN ADDITIONAL MISSING ITEM FROM THE WIRELESS ITEMS VIA THE BULK UPLOAD LIST EQUATING TO \$7. AS NOTED ABOVE. IT SEEMS THAT THE BULK UPLOAD DOCUMENT TRUNCATED ALL ITEMS EXCEPT FOR THE LAST ON (WHICH IS THE ONLY ITEM REFLECTED ON THE 471 APP...WITH AN FRN ITEM # OF ".002")

Category 2 Internal Connections Version 16.4																									
21	Type of Internal Connection	Installation Included in Price?	Type of Product	Make	Model	Lease or Non-Purchase Agreement?	Monthly Recurring Unit Costs	Monthly Recurring Unit Ineligible Costs	Identify the Monthly Costs				Units	Estimated Total Monthly Eligible Recurring Costs	Estimated Months of Service	Estimated Total Eligible Recurring Costs	One-time Unit Costs	Identify the One-time Costs				One-time Quantity	Estimated Total Eligible One-time Costs	Estimated Pre-Discount Extended Eligible Line Item	Do any of these conditions apply?
22	Required	Required	Required	Required	Required	Required	Required	Required	For Reference only - Not Imported	Required	Required	For Reference only - Not Imported	Required	For Reference only - Not Imported	Required	For Reference only - Not Imported	Required	For Reference only - Not Imported	Required	For Reference only - Not Imported	Required	For Reference only - Not Imported	For Reference only - Not Imported	Required. Option "A" only applicable if you are a library system or a school district that is not ESA	
1	Data Distribution	No	Switch	Meraki	MS350-24X-HW	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$772.83	\$0.00	\$772.83	3	\$2,318.49	\$2,318.49			A. Product/Service is for only some entities, but the cost is split equally among them		
2	Data Distribution	No	Switch	Meraki	LC-MS350-24X-SVR	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$176.12	\$0.00	\$176.12	3	\$528.36	\$528.36			A. Product/Service is for only some entities, but the cost is split equally among them		
3	Data Distribution	No	Switch	Meraki	MS350-48FP-HW	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$1,199.72	\$0.00	\$1,199.72	8	\$9,597.76	\$9,597.76			A. Product/Service is for only some entities, but the cost is split equally among them		
4	Data Distribution	No	Switch	Meraki	LC-MS350-48LP-SVR	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$164.82	\$0.00	\$164.82	8	\$1,318.56	\$1,318.56			A. Product/Service is for only some entities, but the cost is split equally among them		
5	Data Distribution	No	Switch	Meraki	MS425-16-HW	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$1,443.58	\$0.00	\$1,443.58	1	\$1,443.58	\$1,443.58			A. Product/Service is for only some entities, but the cost is split equally among them		
6	Data Distribution	No	Switch	Meraki	LC-MS425-16-SVR	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$216.56	\$0.00	\$216.56	1	\$216.56	\$216.56			A. Product/Service is for only some entities, but the cost is split equally among them		
7	Data Distribution	No	Switch	Meraki	MA-SFP-10GB-LR	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$411.93	\$0.00	\$411.93	2	\$823.86	\$823.86			A. Product/Service is for only some entities, but the cost is split equally among them		
8	Data Distribution	No	Switch	Meraki	MA-SFP-10GB-SR	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$102.60	\$0.00	\$102.60	22	\$2,257.20	\$2,257.20			A. Product/Service is for only some entities, but the cost is split equally among them		
9	Data Distribution	No	Switch	Meraki	MA-SFP-1GB-SX	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$51.56	\$0.00	\$51.56	1	\$51.56	\$51.56			A. Product/Service is for only some entities, but the cost is split equally among them		
10	Data Distribution	No	Switch	Meraki	MA-CBL-40G-50CM	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$10.31	\$0.00	\$10.31	2	\$20.62	\$20.62			A. Product/Service is for only some entities, but the cost is split equally among them		
11	Data Distribution	No	Switch	Meraki	MA-CBL-40G-3M	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$20.62	\$0.00	\$20.62	4	\$82.48	\$82.48			A. Product/Service is for only some entities, but the cost is split equally among them		
12	Data Distribution	No	Switch	Meraki	MA-CBL-40G-3M	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$30.93	\$0.00	\$30.93	2	\$61.86	\$61.86			A. Product/Service is for only some entities, but the cost is split equally among them		
13	Wireless Data Distribution	No	Access Point	Meraki	MR52-HW	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$144.25	\$0.00	\$144.25	50	\$7,212.50	\$7,212.50			A. Product/Service is for only some entities, but the cost is split equally among them		
14	Wireless Data Distribution	No	Access Point	Meraki	LC-ENT-SVR	Yes	\$0.00	\$0.00	\$0.00	0	Each	\$0.00	12	\$0.00	\$39.45	\$0.00	\$39.45	50	\$1,972.50	\$1,972.50			A. Product/Service is for only some entities, but the cost is split equally among them		

NOTE: IT SEEMS THAT THE LAST ITEM IS THE ONLY ONE FROM THE BULK UPLOAD FILE THAT ACTUALLY WAS INTEGRATED ONTO TH 471 APPLICATION FOR THE H.S. SITE. (SORRY FOR THE SMALL PRINT BUT THIS FILE IS LOCKED DOWN BY THE PROGRAM SO THERE ISN'T A LOT OF FLEXIBILITY REGARDING DISPLAY OPTIONS. ALL OTHERS NEED TO BE INCLUDED IN THE CORRECTED ACTION REGARDING THE TRUNCATION ISSUE. THE UPLOAD FOR ALL OF THE OTHER SITES (PRI, MS & ELEM) USED SAME FORMAT AND WORKED FINE.

C.) ADDITIONALLY, WE HAVE EMBEDDED A COPIES OF THE ORIGINAL 471s FOR EACH OF THE DISTRICT SITES AS ORIGINALLY FILES. INTENT IS TO SHOW THE CONSISTANCY AND PATTERN THAT EACH SITE'S 471 WAS STRUCTURED THE SAME (ALL NOTING THAT THE CORRESPONDING FRN FOR THAT SITE'S 471 WAS FOR "...SWITCHING AND WIRELESS EQUIPMENT..." INCLUDING THE FRN NARRATIVES WHICH ALSO IDENTIFIED "SWITCHES & WIRELESS EQUIPMENT...". EVERY ONE OF THESE 471s THEN DISPLAYED CORRESPONDING FRN LINE ITEMS THAT REFLECTED SWITCHING AND WIRELESS EQUIPMENT WITH THE EXCEPTION OF THE H.S. 471 (#171040473) WHICH ALTHOUGH CLEARLY STATES THE SAME FRN EQUIPMENT INTENT WAS LACKING IN ACTUAL FRN LINE ITEM ENTRIES DUE TO THE BULK-UPOLAD TRUNCATION ISSUE. (SORRY FOR THE EXTENDED DISPLAYS...JUST TRYING TO BRING ANOTHER ASPECT INTO CONSIDERATION OF MAKING OUR CASE THAT ORIGINAL INTENT WAS TO INCLUDE ALL THE TRUNCATED ITEMS)





## Description of Services Ordered and Certification Form 471

### FCC Form 471

#### Application Information

**Nickname** GREENCASTLE-ANTRIM SD-PRIMARY-YR20-C2 **Application Number** 171040566  
**Funding Year** 2017 **Category of Service** Category 2

#### Billed Entity

GREENCASTLE ANTRIM SCHOOL DIST  
500 LEITERSBURG ST GREENCASTLE PA 17225  
- 1138  
717-597-3226  
dbard@gcasd.org

#### Contact Information

steve mandarino  
412-668-0785  
stevemandarino@advanedgesolutions.com

**Billed Entity Number** 125742  
**FCC Registration Number** 0003271947  
**Applicant Type** School District

#### Holiday/Summer Contact Information

ERATESUPPORT2017@ADVANEDGESOLUTIONS.COM 412-668-0785

#### Consulting Firms

Name	Consultant Registration Number	City	State	Zip Code	Phone Number	Email
AdvanEdge Solutions Inc. / Intelafunds	16061996	Canonsburg	PA	15317	412-668-0785	eratesupport@advanedgesolutions.com

#### Entity Information

##### School District Entity - Details

BEN	Name	Urban/Rural	State LEA ID	State School ID	NCES Code	School District Attributes	Endowment
125742	GREENCASTLE ANTRIM SCHOOL DIST	Urban	421101			Public School District	None

#### Related Entity Information

##### Related Child School Entity - Details

BEN	Name	Urban/ Rural	State LEA ID	State School ID	NCES Code	Alternative Discount	School Attributes	Endowment
18349	GREENCASTLE ANTRIM ELEM SCH	Urban		000002202		None	Public School	None
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban		000007427		None	Public School	None
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban		000002206		None	Public School	None
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban		000005117		None	Public School	None

#### Related Child School Entity - Discount Rate Calculation Details

BEN	Name	Urban/ Rural	Number of Students	Students Count Based on Estimate	CEP Percentage
18349	GREENCASTLE ANTRIM ELEM SCH	Urban	770	N/A	
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban	646	N/A	
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban	928	N/A	
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban	714	N/A	

#### Discount Rate

School District Enrollment	School District NSLP Count	School District NSLP Percentage	School District Urban/ Rural Status	Category One Discount Rate	Category Two Discount Rate	Voice Discount Rate
3058	924	31.0%	Urban	50%	50%	0%

## Funding Request for FRN #1799091349

**Funding Request Nickname:** GREENCASTLE-ANTRIM-PRIMARY-SWITCHING AND WIRELESS-YR20

**Service Type:** Internal Connections

## Agreement Information - Contract

<b>Contract Number</b>	GASD YR200006A&B (OWNED)	<b>Account Number</b>	
<b>User-entered Establishing FCC Form 470#</b>	245730001240230	<b>Service Provider</b>	ePlus Technology, Inc. (SPN: 143006553)
<b>Was an FCC Form 470 posted for the product and/or services you are requesting?</b>	Yes	<b>Based on State Master Contract?</b>	Yes
<b>Award Date</b>	April 21, 2017	<b>Based on a multiple award schedule?</b>	Yes
<b>How many bids were received for this contract?</b>	2	<b>Includes Voluntary Extensions?</b>	Yes
<b>What is the service start date?</b>	July 01, 2017	<b>Remaining Voluntary Extensions</b>	1
		<b>Total Remaining Contract Length</b>	30
		<b>What is the date your contract expires for the current term of the contract?</b>	September 30, 2019

Document Name	Document Description
GASD YR20 PEPPM SWITCHES_wireless M INI-BID CONTRACT eplus---dually signed.pdf	DUALLY-SIGNED PEPPM MINI-BID CONTRACT FOR SWITCHES AND RELATED COMPONENTS & WIRELESS EQUIPMENT. CONTAINS PER/UNIT PRICING WHICH IS EXTENDED THROUGHOUT PROJECT AS NEEDED.

## Pricing Confidentiality

**Is there a statute, rule, or other restriction which prohibits publication of the specific pricing information for this contract?** No

**Narrative**

THIS FRN INCLUDES SWITCHING & WIRELESS NETWORK EQUIPMENT PRICING AND CORRESPONDING INSTALLATION SERVICES AS IF NOTED AS ACQUIRED VIA PEPPM MINI-BID PROCESS CONTRACT. ALL EQUIPMENT SERVICES NOTED ARE 100% E-RATE ELIGIBLE...NO VOICE IMPLICATIONS AS THIS EQUIPMENT IS BEING LEVERAGED FOR DATA ONLY. NO INELIGIBLE ENTITIES WILL BE LEVERAGING THIS EQUIPMENT. FRN LEVERAGES SPECIFIC QUOTED LINE ITEM PRICINGS WITHIN THE CORRESPONDING QUOTE CONTRACT TIMES THE QUANTITY PROJECTED FOR THIS PARTICULAR PROJECT.

Line Item # 1799091349.001

Product and Service Details

Type of Internal Connection      Wireless Data Distribution

Type of Product      Access Point

Make      Meraki

Model      MR52-HW

Is installation included in Price? No

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799091349.001

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$144.25
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$144.25
One-time Quantity	x 30
Total Eligible One-time Costs	= \$4,327.50
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$4,327.50
Pre-Discout Extended Eligible Line Item Cost	= \$4,327.50

Line Item #1799091349.002

Product and Service Details

Type of Internal Connection	Wireless Data Distribution	Type of Product	Access Point
Make	Meraki	Model	LIC-ENT-5YR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	No

Cost Calculation for FRN Line Item # 1799091349.002

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$39.45
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$39.45
One-time Quantity	x 30
Total Eligible One-time Costs	= \$1,183.50
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,183.50
Pre-Discout Extended Eligible Line Item Cost	= \$1,183.50

Line Item # 1799091349.003

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MS350-24X-HW
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.003

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$772.83
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$772.83
One-time Quantity	x 1
Total Eligible One-time Costs	= \$772.83
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$772.83
Pre-Discout Extended Eligible Line Item Cost	= \$772.83

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$772.83

Line Item #1799091349.004

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	LIC-MS350-24X-5YR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.004

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$176.12
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$176.12
One-time Quantity	x 1
Total Eligible One-time Costs	= \$176.12
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$176.12
Pre-Discout Extended Eligible Line Item Cost	= \$176.12



Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$176.12

Line Item # 1799091349.005

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MS350-48FP-HW
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.005

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$1,199.72
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$1,199.72
One-time Quantity	x 7
Total Eligible One-time Costs	= \$8,398.04
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$8,398.04
Pre-Discout Extended Eligible Line Item Cost	= \$8,398.04

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$8,398.04

Line Item # 1799091349.006

Product and Service Details

Type of Internal Connection      Data Distribution

Make                                      Meraki

Is installation included in Price? No

Type of Product

Switch

Model                                      LIC-MS350-48LP-5YR

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799091349.006

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$164.82
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$164.82
One-time Quantity	x 7
Total Eligible One-time Costs	= \$1,153.74
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,153.74
Pre-Discout Extended Eligible Line Item Cost	= \$1,153.74

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$1,153.74

Line Item # 1799091349.007

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MS425-16-HW
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.007

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$1,443.58
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$1,443.58
One-time Quantity	x 1
Total Eligible One-time Costs	= \$1,443.58
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,443.58
Pre-Discout Extended Eligible Line Item Cost	= \$1,443.58

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$1,443.58

Line Item # 1799091349.008

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	LIC-MS425-16-5YR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.008

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$216.56
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$216.56
One-time Quantity	x 1
Total Eligible One-time Costs	= \$216.56
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$216.56
Pre-Discout Extended Eligible Line Item Cost	= \$216.56



Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$216.56

Line Item # 1799091349.009

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SPF-10GB-LR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.009

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$411.93
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$411.93
One-time Quantity	x 2
Total Eligible One-time Costs	= \$823.86
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$823.86
Pre-Discout Extended Eligible Line Item Cost	= \$823.86

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$823.86

Line Item # 1799091349.010

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SPF-10GB-SR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.010

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$102.60
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$102.60
One-time Quantity	x 14
Total Eligible One-time Costs	= \$1,436.40
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,436.40
Pre-Discout Extended Eligible Line Item Cost	= \$1,436.40

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$1,436.40

Line Item # 1799091349.011

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SFP-1GB-SX
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.011

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$51.56
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$51.56
One-time Quantity	x 1
Total Eligible One-time Costs	= \$51.56
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$51.56
Pre-Discout Extended Eligible Line Item Cost	= \$51.56

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$51.56

Line Item # 1799091349.012

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-CBL-40G-50CM
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.012

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$10.31
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$10.31
One-time Quantity	x 1
Total Eligible One-time Costs	= \$10.31
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$10.31
Pre-Discout Extended Eligible Line Item Cost	= \$10.31



Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$10.31

Line Item # 1799091349.013

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-CBL-40G-1M
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.013

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$20.62
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$20.62
One-time Quantity	x 6
Total Eligible One-time Costs	= \$123.72
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$123.72
Pre-Discout Extended Eligible Line Item Cost	= \$123.72

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$123.72

Line Item # 1799091349.014

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-CBL-40G-3M
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091349.014

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$30.93
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$30.93
One-time Quantity	x 1
Total Eligible One-time Costs	= \$30.93
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$30.93
Pre-Discout Extended Eligible Line Item Cost	= \$30.93

Recipients of Services

BEN	Name	Amount
18350	GREENCASTLE ANTRIM PRIMARY SCH	\$30.93

FRN Calculation for FRN #1799091349

Monthly Charges	
Total Monthly Recurring Charges	\$0.00
Total Monthly Ineligible Charges	- \$0.00
Total Monthly Eligible Charges	= \$0.00
Total Number of Months of Service	x 12
Total Eligible Pre-Discount Recurring Charges	= \$0.00

One-Time Charges	
Total One-Time Charges	\$20,148.65
Total Ineligible One-Time Charges	- \$0.00
Total Eligible Pre-Discount One-Time Charges	= \$20,148.65

Total Requested Amount	
Total Eligible Pre-Discount Recurring Charges	\$0.00
Total Eligible Pre-Discount One-Time Charges	+ \$20,148.65
Total Pre-Discount Charges	= \$20,148.65
Discount Rate	50%
Funding Commitment Request	= \$10,074.33

## Connectivity Questions

### District/System-wide Internet Access Questions

Does your school district currently aggregate Internet access for the entire district(as opposed to buying Internet access on a building-by-building basis)? Yes

Download Speed 1.00 Download Speed Units Gbps

Upload Speed 1.00 Upload Speed Units Gbps

### Per Entity Basis Questions

Entity Name GREENCASTLE ANTRIM SCHOOL DIST Entity Number 125742

BEN	Entity Name	Download	Units	Upload	Units	Connection	Wifi Sufficient	Barriers to Robust Network
18349	GREENCASTLE ANTRIM ELEM SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18350	GREENCASTLE ANTRIM PRIMARY SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18351	GREENCASTLE ANTRIM HIGH SCHOOL	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18352	GREENCASTLE ANTRIM MIDDLE SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly

## Certifications

I certify that the entities listed in this application are eligible for support because they are schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801(18) and (38), that do not operate as for-profit businesses and do not have endowments exceeding \$50 million.

I certify that the entity I represent or the entities listed on this application have secured access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity, necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support. I certify that the entities I represent or the entities listed on this application have secured access to all of the resources to pay the discounted charges for eligible services from funds to which access has been secured in the current funding year. I certify that the Billed Entity will pay the non-discount portion of the cost of the goods and services to the service provider(s).

### Total Funding Summary

Below is a summary of the total line item costs on this FCC Form 471:

Summary	
Total funding year pre-discount eligible amount on this FCC Form 471	\$20,148.65
Total funding commitment request amount on this FCC Form 471	\$10,074.33
Total applicant non-discount share of the eligible amount	\$10,074.32
Total budgeted amount allocated to resources not eligible for E-rate support	\$126,500.00
Total amount necessary for the applicant to pay the non-discount share of eligible and any ineligible amounts	\$136,574.32
Are you receiving any of the funds directly from a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year?	No
Has a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year assisted you in locating funds needed to pay your non-discounted share?	No

I certify an FCC Form 470 was posted and that any related RFP was made available for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted were carefully considered and the most cost-effective service offering was selected, with price being the primary factor considered, and is the most cost-effective means of meeting educational needs and technology goals.

I certify that the entity responsible for selecting the service provider(s) has reviewed all applicable FCC, state, and local procurement/competitive bidding requirements and that the entity or entities listed on this application have complied with them.

I certify that the services the applicant purchases at discounts provided by 47 U.S.C. § 254 will be used primarily for educational purposes, see 47 C.F.R. § 54.500 and will not be sold, resold or transferred in consideration for money or any other thing of value, except as permitted by the Commission's rules at 47 C.F.R. §

54.513. Additionally, I certify that the entity or entities listed on this application have not received anything of value or a promise of anything of value, as prohibited by the Commission's rules at 47 C.F.R. § 54.503(d), other than services and equipment sought by means of this form, from the service provider, or any representative or agent thereof or any consultant in connection with this request for services.

I certify that I and the entity(ies) I represent have complied with all program rules and I acknowledge that failure to do so may result in denial of discount funding and/or cancellation of funding commitments. There are signed contracts or other legally binding agreements covering all of the services listed on this FCC Form 471 except for those services provided under non-contracted tariffed or month-to-month arrangements. I acknowledge that failure to comply with program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.

I acknowledge that the discount level used for shared services is conditional, for future years, upon ensuring that the most disadvantaged schools and libraries that are treated as sharing in the service, receive an appropriate share of benefits from those services.

I certify that I will retain required documents for a period of at least 10 years (or whatever retention period is required by the rules in effect at the time of this certification) after the later of the last day of the applicable funding year or the service delivery deadline for the associated funding request. I acknowledge that I may be audited pursuant to participation in the schools and libraries program. I certify that I will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the application for, receipt of, and delivery of services receiving schools and libraries discounts, and that if audited, I will make such records available to USAC.

I certify that I am authorized to order telecommunications and other supported services for the eligible entity(ies) listed on this application. I certify that I am authorized to submit this request on behalf of the eligible entity(ies) listed on this application, that I have examined this request, that all of the information on this form is true and correct to the best of my knowledge, that the entities that are receiving discounts pursuant to this application have complied with the terms, conditions and purposes of the program, that no kickbacks were paid to anyone and that false statements on this form can be punished by fine or forfeiture under the Communications Act, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001 and civil violations of the False Claims Act.

I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program. I will institute reasonable measures to be informed, and will notify USAC should I be informed or become aware that I or any of the entities listed on this application, or any person associated in any way with my entity and/or the entities listed on this application, is convicted of a criminal violation or held civilly liable for acts arising from their participation in the schools and libraries support mechanism.

I certify that if any of the Funding Requests on this FCC Form 471 are for discounts for products or services that contain both eligible and ineligible components, that I have allocated the eligible and ineligible components as required by the Commission's rules at 47 C.F.R. § 54.504.

**Notice**

Section 54.504 of the Federal Communications Commission's rules requires all schools and libraries ordering services that are eligible for and seeking universal service discounts to submit an application for such discounts by filing this Services Ordered and Certification Form (FCC Form 471) with the Universal Service Administrator. 47 C.F.R. § 54.504. The collection of information stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the application requirements for universal service discounts contained in 47 C.F.R. § 54.504. Schools and libraries must file this form themselves or as part of a consortium. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The FCC is authorized under the Communications Act of 1934, as amended, to collect the information we request in this form. We will use the information you provide to determine whether approving your application for universal service discounts is in the public interest. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information in your application for universal service discounts may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, consistent with the Communications Act of 1934, FCC regulations and orders, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law, information provided in or submitted with this form or in response to subsequent inquiries may be disclosed to the public. If you owe a past due debt to the Federal government, the information you provide may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized. If you do not provide the information we request on the form, the FCC or the Universal Service Administrator may delay processing of your application for universal service discounts or may return your application without action. The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq. Public reporting burden for this collection of information is estimated to average 4.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

**Authorized Person**

<b>Title:</b>	<b>Name:</b>
<b>Phone:</b>	<b>Email:</b>
<b>Address:</b>	<b>Employer:</b>

**Certified Timestamp** 09-May-2017 19:25:12 EDT





## Description of Services Ordered and Certification Form 471

### FCC Form 471

#### Application Information

**Nickname** GREENCASTLE-ANTRIM SD-GASD-MS-YR20-C2 **Application Number** 171040529  
**Funding Year** 2017 **Category of Service** Category 2

#### Billed Entity

GREENCASTLE ANTRIM SCHOOL DIST  
500 LEITERSBURG ST GREENCASTLE PA 17225  
- 1138  
717-597-3226  
dbard@gcasd.org

#### Contact Information

steve mandarino  
412-668-0785  
stevemandarino@advanedgesolutions.com

**Billed Entity Number** 125742  
**FCC Registration Number** 0003271947  
**Applicant Type** School District

#### Holiday/Summer Contact Information

ERATESUPPORT2017@ADVANEDGESOLUTIONS.COM 412-668-0785

#### Consulting Firms

Name	Consultant Registration Number	City	State	Zip Code	Phone Number	Email
AdvanEdge Solutions Inc. / Intelafunds	16061996	Canonsburg	PA	15317	412-668-0785	eratesupport@advanedgesolutions.com

#### Entity Information

##### School District Entity - Details

BEN	Name	Urban/Rural	State LEA ID	State School ID	NCES Code	School District Attributes	Endowment
125742	GREENCASTLE ANTRIM SCHOOL DIST	Urban	421101			Public School District	None

#### Related Entity Information

##### Related Child School Entity - Details

BEN	Name	Urban/ Rural	State LEA ID	State School ID	NCES Code	Alternative Discount	School Attributes	Endowment
18349	GREENCASTLE ANTRIM ELEM SCH	Urban		000002202		None	Public School	None
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban		000007427		None	Public School	None
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban		000002206		None	Public School	None
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban		000005117		None	Public School	None

### [Related Child School Entity - Discount Rate Calculation Details](#)

BEN	Name	Urban/ Rural	Number of Students	Students Count Based on Estimate	CEP Percentage
18349	GREENCASTLE ANTRIM ELEM SCH	Urban	770	N/A	
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban	646	N/A	
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban	928	N/A	
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban	714	N/A	

### [Discount Rate](#)

School District Enrollment	School District NSLP Count	School District NSLP Percentage	School District Urban/ Rural Status	Category One Discount Rate	Category Two Discount Rate	Voice Discount Rate
3058	924	31.0%	Urban	50%	50%	0%

## Funding Request for FRN #1799091252

**Funding Request Nickname:** GREENCASTLE-ANTRIM-MS-SWITCHING AND WIRELESS-YR20

**Service Type:** Internal Connections

### Agreement Information - Contract

<b>Contract Number</b>	GASD YR200006A&B (OWNED)	<b>Account Number</b>	
<b>User-entered Establishing FCC Form 470#</b>	245730001240230	<b>Service Provider</b>	ePlus Technology, Inc. (SPN: 143006553)
<b>Was an FCC Form 470 posted for the product and/or services you are requesting?</b>	Yes	<b>Based on State Master Contract?</b>	Yes
<b>Award Date</b>	April 21, 2017	<b>Based on a multiple award schedule?</b>	Yes
<b>How many bids were received for this contract?</b>	2	<b>Includes Voluntary Extensions?</b>	Yes
<b>What is the service start date?</b>	July 01, 2017	<b>Remaining Voluntary Extensions</b>	1
		<b>Total Remaining Contract Length</b>	30
		<b>What is the date your contract expires for the current term of the contract?</b>	September 30, 2019

Document Name	Document Description
GASD YR20 PEPPM SWITCHES_wireless M INI-BID CONTRACT eplus---dually signed.pdf	DUALLY-SIGNED PEPPM MINI-BID CONTRACT FOR SWITCHES AND RELATED COMPONENTS & WIRELESS EQUIPMENT. CONTAINS PER/UNIT PRICING WHICH IS EXTENDED THROUGHOUT PROJECT AS NEEDED.

### Pricing Confidentiality

**Is there a statute, rule, or other restriction which prohibits publication of the specific pricing information for this contract?** No

**Narrative**

THIS FRN INCLUDES SWITCHING & WIRELESS NETWORK EQUIPMENT PRICING AND CORRESPONDING INSTALLATION SERVICES AS IF NOTED AS ACQUIRED VIA PEPPM MINI-BID PROCESS CONTRACT. ALL EQUIPMENT SERVICES NOTED ARE 100% E-RATE ELIGIBLE...NO VOICE IMPLICATIONS AS THIS EQUIPMENT IS BEING LEVERAGED FOR DATA ONLY. NO INELIGIBLE ENTITIES WILL BE LEVERAGING THIS EQUIPMENT. FRN LEVERAGES SPECIFIC QUOTED LINE ITEM PRICINGS WITHIN THE CORRESPONDING QUOTE CONTRACT TIMES THE QUANTITY PROJECTED FOR THIS PARTICULAR PROJECT.

Line Item # 1799091252.001

Product and Service Details

Type of Internal Connection      Wireless Data Distribution

Type of Product      Access Point

Make      Meraki

Model      MR52-HW

Is installation included in Price? No

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799091252.001

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$144.25
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$144.25
One-time Quantity	x 40
Total Eligible One-time Costs	= \$5,770.00
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$5,770.00
Pre-Discout Extended Eligible Line Item Cost	= \$5,770.00

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$5,770.00

Line Item # 1799091252.002

Product and Service Details

Type of Internal Connection	Wireless Data Distribution	Type of Product	Access Point
Make	Meraki	Model	LIC-ENT-5YR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	No

Cost Calculation for FRN Line Item # 1799091252.002

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$39.45
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$39.45
One-time Quantity	x 40
Total Eligible One-time Costs	= \$1,578.00
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,578.00
Pre-Discout Extended Eligible Line Item Cost	= \$1,578.00

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$1,578.00

Line Item # 1799091252.003

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MS350-24X-HW
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091252.003

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$772.83
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$772.83
One-time Quantity	x 1
Total Eligible One-time Costs	= \$772.83
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$772.83
Pre-Discout Extended Eligible Line Item Cost	= \$772.83



Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$772.83

Line Item # 1799091252.004

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	LIC-MS350-24X-5YR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091252.004

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$176.12
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$176.12
One-time Quantity	x 1
Total Eligible One-time Costs	= \$176.12
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$176.12
Pre-Discout Extended Eligible Line Item Cost	= \$176.12

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$176.12

Line Item # 1799091252.005

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MS350-48FP-HW
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091252.005

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$1,199.72
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$1,199.72
One-time Quantity	x 9
Total Eligible One-time Costs	= \$10,797.48
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$10,797.48
Pre-Discout Extended Eligible Line Item Cost	= \$10,797.48

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$10,797.48

Line Item # 1799091252.006

Product and Service Details

Type of Internal Connection      Data Distribution

Make                                      Meraki

Is installation included in Price? No

Type of Product

Switch

Model                                      LIC-MS350-48LP-5YR

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799091252.006

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$164.82
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$164.82
One-time Quantity	x 9
Total Eligible One-time Costs	= \$1,483.38
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,483.38
Pre-Discout Extended Eligible Line Item Cost	= \$1,483.38

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$1,483.38

**Line Item # 1799091252.007**

**Product and Service Details**

**Type of Internal Connection**      Data Distribution

**Type of Product**

Switch

**Make**                                  Meraki

**Model**

MS425-16-HW

**Is installation included in Price?**No

**Is the hardware for this FRN line item leased?**Yes

**Cost Calculation for FRN Line Item # 1799091252.007**

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$1,443.58
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$1,443.58
One-time Quantity	x 1
Total Eligible One-time Costs	= \$1,443.58
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,443.58
Pre-Discout Extended Eligible Line Item Cost	= \$1,443.58



Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$1,443.58

Line Item # 1799091252.008

Product and Service Details

Type of Internal Connection      Data Distribution

Make                                      Meraki

Is installation included in Price? No

Type of Product

Switch

Model                                      LIC-MS425-16-5YR

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799091252.008

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$216.56
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$216.56
One-time Quantity	x 1
Total Eligible One-time Costs	= \$216.56
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$216.56
Pre-Discout Extended Eligible Line Item Cost	= \$216.56

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$216.56

Line Item # 1799091252.009

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SPF-10GB-LR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091252.009

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$411.93
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$411.93
One-time Quantity	x 2
Total Eligible One-time Costs	= \$823.86
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$823.86
Pre-Discout Extended Eligible Line Item Cost	= \$823.86

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$823.86

Line Item # 1799091252.010

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SPF-10GB-SR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091252.010

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$102.60
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$102.60
One-time Quantity	x 18
Total Eligible One-time Costs	= \$1,846.80
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,846.80
Pre-Discout Extended Eligible Line Item Cost	= \$1,846.80

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$1,846.80

Line Item # 1799091252.011

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SFP-1GB-SX
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799091252.011

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$51.56
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$51.56
One-time Quantity	x 1
Total Eligible One-time Costs	= \$51.56
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$51.56
Pre-Discout Extended Eligible Line Item Cost	= \$51.56



Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$51.56

Line Item # 1799091252.012

Product and Service Details

Type of Internal Connection

Data Distribution

Make

Meraki

Type of Product

Switch

Model

MA-CBL-40G-50CM

Is installation included in Price?

No

Is the hardware for this FRN line item leased?

Yes

Cost Calculation for FRN Line Item # 1799091252.012

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$10.31
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$10.31
One-time Quantity	x 1
Total Eligible One-time Costs	= \$10.31
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$10.31
Pre-Discout Extended Eligible Line Item Cost	= \$10.31

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$10.31

Line Item # 1799091252.013

Product and Service Details

Type of Internal Connection      Data Distribution

Make                                      Meraki

Is installation included in Price? No

Type of Product

Switch

Model                                      MA-CBL-40G-1M

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799091252.013

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$20.62
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$20.62
One-time Quantity	x 3
Total Eligible One-time Costs	= \$61.86
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$61.86
Pre-Discout Extended Eligible Line Item Cost	= \$61.86

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$61.86

Line Item # 1799091252.014

Product and Service Details

Type of Internal Connection      Data Distribution

Make      Meraki

Is installation included in Price? No

Type of Product

Switch

Model      MA-CBL-40G-3M

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799091252.014

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$30.93
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$30.93
One-time Quantity	x 1
Total Eligible One-time Costs	= \$30.93
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$30.93
Pre-Discout Extended Eligible Line Item Cost	= \$30.93

Recipients of Services

BEN	Name	Amount
18352	GREENCASTLE ANTRIM MIDDLE SCH	\$30.93

FRN Calculation for FRN #1799091252

Monthly Charges	
Total Monthly Recurring Charges	\$0.00
Total Monthly Ineligible Charges	- \$0.00
Total Monthly Eligible Charges	= \$0.00
Total Number of Months of Service	x 12
Total Eligible Pre-Discount Recurring Charges	= \$0.00

One-Time Charges	
Total One-Time Charges	\$25,063.27
Total Ineligible One-Time Charges	- \$0.00
Total Eligible Pre-Discount One-Time Charges	= \$25,063.27

Total Requested Amount	
Total Eligible Pre-Discount Recurring Charges	\$0.00
Total Eligible Pre-Discount One-Time Charges	+ \$25,063.27
Total Pre-Discount Charges	= \$25,063.27
Discount Rate	50%
Funding Commitment Request	= \$12,531.64



Connectivity Questions

District/System-wide Internet Access Questions

Does your school district currently aggregate Internet access for the entire district(as opposed to buying Yes Internet access on a building-by-building basis)?

Download Speed	1.00	Download Speed Units	Gbps
Upload Speed	1.00	Upload Speed Units	Gbps

Per Entity Basis Questions

Entity Name GREENCASTLE ANTRIM SCHOOL DIST Entity Number 125742

BEN	Entity Name	Download	Units	Upload	Units	Connection	Wifi Sufficient	Barriers to Robust Network
18349	GREENCASTLE ANTRIM ELEM SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18350	GREENCASTLE ANTRIM PRIMARY SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18351	GREENCASTLE ANTRIM HIGH SCHOOL	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18352	GREENCASTLE ANTRIM MIDDLE SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly

Certifications

I certify that the entities listed in this application are eligible for support because they are schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801(18) and (38), that do not operate as for-profit businesses and do not have endowments exceeding \$50 million.

I certify that the entity I represent or the entities listed on this application have secured access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity, necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support. I certify that the entities I represent or the entities listed on this application have secured access to all of the resources to pay the discounted charges for eligible services from funds to which access has been secured in the current funding year. I certify that the Billed Entity will pay the non-discount portion of the cost of the goods and services to the service provider(s).

Total Funding Summary

Below is a summary of the total line item costs on this FCC Form 471:

Summary	
Total funding year pre-discount eligible amount on this FCC Form 471	\$25,063.27
Total funding commitment request amount on this FCC Form 471	\$12,531.64
Total applicant non-discount share of the eligible amount	\$12,531.63
Total budgeted amount allocated to resources not eligible for E-rate support	\$126,500.00
Total amount necessary for the applicant to pay the non-discount share of eligible and any ineligible amounts	\$139,031.63
Are you receiving any of the funds directly from a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year?	No
Has a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year assisted you in locating funds needed to pay your non-discounted share?	No

I certify an FCC Form 470 was posted and that any related RFP was made available for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted were carefully considered and the most cost-effective service offering was selected, with price being the primary factor considered, and is the most cost-effective means of meeting educational needs and technology goals.

I certify that the entity responsible for selecting the service provider(s) has reviewed all applicable FCC, state, and local procurement/competitive bidding requirements and that the entity or entities listed on this application have complied with them.

I certify that the services the applicant purchases at discounts provided by 47 U.S.C. § 254 will be used primarily for educational purposes, see 47 C.F.R. § 54.500 and will not be sold, resold or transferred in consideration for money or any other thing of value, except as permitted by the Commission's rules at 47 C.F.R. §

54.513. Additionally, I certify that the entity or entities listed on this application have not received anything of value or a promise of anything of value, as prohibited by the Commission's rules at 47 C.F.R. § 54.503(d), other than services and equipment sought by means of this form, from the service provider, or any representative or agent thereof or any consultant in connection with this request for services.

I certify that I and the entity(ies) I represent have complied with all program rules and I acknowledge that failure to do so may result in denial of discount funding and/or cancellation of funding commitments. There are signed contracts or other legally binding agreements covering all of the services listed on this FCC Form 471 except for those services provided under non-contracted tariffed or month-to-month arrangements. I acknowledge that failure to comply with program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.

I acknowledge that the discount level used for shared services is conditional, for future years, upon ensuring that the most disadvantaged schools and libraries that are treated as sharing in the service, receive an appropriate share of benefits from those services.

I certify that I will retain required documents for a period of at least 10 years (or whatever retention period is required by the rules in effect at the time of this certification) after the later of the last day of the applicable funding year or the service delivery deadline for the associated funding request. I acknowledge that I may be audited pursuant to participation in the schools and libraries program. I certify that I will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the application for, receipt of, and delivery of services receiving schools and libraries discounts, and that if audited, I will make such records available to USAC.

I certify that I am authorized to order telecommunications and other supported services for the eligible entity(ies) listed on this application. I certify that I am authorized to submit this request on behalf of the eligible entity(ies) listed on this application, that I have examined this request, that all of the information on this form is true and correct to the best of my knowledge, that the entities that are receiving discounts pursuant to this application have complied with the terms, conditions and purposes of the program, that no kickbacks were paid to anyone and that false statements on this form can be punished by fine or forfeiture under the Communications Act, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001 and civil violations of the False Claims Act.

I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program. I will institute reasonable measures to be informed, and will notify USAC should I be informed or become aware that I or any of the entities listed on this application, or any person associated in any way with my entity and/or the entities listed on this application, is convicted of a criminal violation or held civilly liable for acts arising from their participation in the schools and libraries support mechanism.

I certify that if any of the Funding Requests on this FCC Form 471 are for discounts for products or services that contain both eligible and ineligible components, that I have allocated the eligible and ineligible components as required by the Commission's rules at 47 C.F.R. § 54.504.

**Notice**

Section 54.504 of the Federal Communications Commission's rules requires all schools and libraries ordering services that are eligible for and seeking universal service discounts to submit an application for such discounts by filing this Services Ordered and Certification Form (FCC Form 471) with the Universal Service Administrator. 47 C.F.R. § 54.504. The collection of information stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the application requirements for universal service discounts contained in 47 C.F.R. § 54.504. Schools and libraries must file this form themselves or as part of a consortium. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The FCC is authorized under the Communications Act of 1934, as amended, to collect the information we request in this form. We will use the information you provide to determine whether approving your application for universal service discounts is in the public interest. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information in your application for universal service discounts may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, consistent with the Communications Act of 1934, FCC regulations and orders, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law, information provided in or submitted with this form or in response to subsequent inquiries may be disclosed to the public. If you owe a past due debt to the Federal government, the information you provide may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized. If you do not provide the information we request on the form, the FCC or the Universal Service Administrator may delay processing of your application for universal service discounts or may return your application without action. The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq. Public reporting burden for this collection of information is estimated to average 4.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

**Authorized Person**

<b>Title:</b>	<b>Name:</b>
<b>Phone:</b>	<b>Email:</b>
<b>Address:</b>	<b>Employer:</b>

**Certified Timestamp** 09-May-2017 19:14:27 EDT



## Description of Services Ordered and Certification Form 471

### FCC Form 471

#### Application Information

**Nickname** GREENCASTLE-ANTRIM SD-GASD ELE **Application Number** 171040409  
M-YR20-C2  
**Funding Year** 2017 **Category of Service** Category 2

#### Billed Entity

GREENCASTLE ANTRIM SCHOOL DIST  
500 LEITERSBURG ST GREENCASTLE PA 17225  
- 1138  
717-597-3226  
dbard@gcasd.org

#### Contact Information

steve mandarino  
412-668-0785  
stevemandarino@advanedgesolutions.com

**Billed Entity Number** 125742  
**FCC Registration Number** 0003271947  
**Applicant Type** School District

#### Holiday/Summer Contact Information

ERATESUPPORT2017@ADVANEDGESOLUTIONS.COM 412-668-0785

#### Consulting Firms

Name	Consultant Registration Number	City	State	Zip Code	Phone Number	Email
AdvanEdge Solutions Inc. / Intelafunds	16061996	Canonsburg	PA	15317	412-668-0785	eratesupport@advanedgesolutions.com

#### Entity Information

##### School District Entity - Details

BEN	Name	Urban/Rural	State LEA ID	State School ID	NCES Code	School District Attributes	Endowment
125742	GREENCASTLE ANTRIM SCHOOL DIST	Urban	421101			Public School District	None

#### Related Entity Information

##### Related Child School Entity - Details

BEN	Name	Urban/ Rural	State LEA ID	State School ID	NCES Code	Alternative Discount	School Attributes	Endowment
18349	GREENCASTLE ANTRIM ELEM SCH	Urban		000002202		None	Public School	None
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban		000007427		None	Public School	None
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban		000002206		None	Public School	None
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban		000005117		None	Public School	None

### Related Child School Entity - Discount Rate Calculation Details

BEN	Name	Urban/ Rural	Number of Students	Students Count Based on Estimate	CEP Percentage
18349	GREENCASTLE ANTRIM ELEM SCH	Urban	770	N/A	
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban	646	N/A	
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban	928	N/A	
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban	714	N/A	

### Discount Rate

School District Enrollment	School District NSLP Count	School District NSLP Percentage	School District Urban/ Rural Status	Category One Discount Rate	Category Two Discount Rate	Voice Discount Rate
3058	924	31.0%	Urban	50%	50%	0%

## Funding Request for FRN #1799090896

**Funding Request Nickname:** GREENCASTLE-ANTRIM-GA ELEM-SWITCHING AND WIRELESS-YR20

**Service Type:** Internal Connections

## Agreement Information - Contract

<b>Contract Number</b>	GASD YR200006A&B (OWNED)	<b>Account Number</b>	
<b>User-entered Establishing FCC Form 470#</b>	245730001240230	<b>Service Provider</b>	ePlus Technology, Inc. (SPN: 143006553)
<b>Was an FCC Form 470 posted for the product and/or services you are requesting?</b>	Yes	<b>Based on State Master Contract?</b>	Yes
<b>Award Date</b>	April 21, 2017	<b>Based on a multiple award schedule?</b>	Yes
<b>How many bids were received for this contract?</b>	2	<b>Includes Voluntary Extensions?</b>	Yes
<b>What is the service start date?</b>	July 01, 2017	<b>Remaining Voluntary Extensions</b>	1
		<b>Total Remaining Contract Length</b>	30
		<b>What is the date your contract expires for the current term of the contract?</b>	September 30, 2019

Document Name	Document Description
GASD YR20 PEPPM SWITCHES_wireless M INI-BID CONTRACT eplus---dually signed.pdf	DUALLY-SIGNED PEPPM MINI-BID CONTRACT FOR SWITCHES AND RELATED COMPONENTS & WIRELESS EQUIPMENT. CONTAINS PER/UNIT PRICING WHICH IS EXTENDED THROUGHOUT PROJECT AS NEEDED.

## Pricing Confidentiality

**Is there a statute, rule, or other restriction which prohibits publication of the specific pricing information for this contract?** No

**Narrative**

THIS FRN INCLUDES SWITCHING & WIRELESS NETWORK EQUIPMENT PRICING AND CORRESPONDING INSTALLATION SERVICES AS IF NOTED AS ACQUIRED VIA PEPPM MINI-BID PROCESS CONTRACT. ALL EQUIPMENT SERVICES NOTED ARE 100% E-RATE ELIGIBLE...NO VOICE IMPLICATIONS AS THIS EQUIPMENT IS BEING LEVERAGED FOR DATA ONLY. NO INELIGIBLE ENTITIES WILL BE LEVERAGING THIS EQUIPMENT. FRN LEVERAGES SPECIFIC QUOTED LINE ITEM PRICINGS WITHIN THE CORRESPONDING QUOTE CONTRACT TIMES THE QUANTITY PROJECTED FOR THIS PARTICULAR PROJECT.

Line Item # 1799090896.001

Product and Service Details

Type of Internal Connection	Wireless Data Distribution	Type of Product	Access Point
Make	Meraki	Model	MR52-HW
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799090896.001

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$144.25
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$144.25
One-time Quantity	x 30
Total Eligible One-time Costs	= \$4,327.50
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$4,327.50
Pre-Discout Extended Eligible Line Item Cost	= \$4,327.50

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$4,327.50

Line Item # 1799090896.002

Product and Service Details

Type of Internal Connection      Wireless Data Distribution

Type of Product      Access Point

Make      Meraki

Model      LIC-ENT-5YR

Is installation included in Price? No

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799090896.002

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$39.45
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$39.45
One-time Quantity	x 30
Total Eligible One-time Costs	= \$1,183.50
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,183.50
Pre-Discout Extended Eligible Line Item Cost	= \$1,183.50



Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$1,183.50

Line Item # 1799090896.003

Product and Service Details

Type of Internal Connection

Data Distribution

Type of Product

Switch

Make

Meraki

Model

MS350-48FP-HW

Is installation included in Price?

No

Is the hardware for this FRN line item leased?

Yes

Cost Calculation for FRN Line Item # 1799090896.003

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$1,199.72
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$1,199.72
One-time Quantity	x 9
Total Eligible One-time Costs	= \$10,797.48
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$10,797.48
Pre-Discout Extended Eligible Line Item Cost	= \$10,797.48

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$10,797.48

Line Item # 1799090896.004

Product and Service Details

Type of Internal Connection      Data Distribution

Make                                      Meraki

Is installation included in Price? No

Type of Product

Switch

Model                                      LIC-MS350-48LP-5YR

Is the hardware for this FRN line item leased? Yes

Cost Calculation for FRN Line Item # 1799090896.004

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$164.82
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$164.82
One-time Quantity	x 9
Total Eligible One-time Costs	= \$1,483.38
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,483.38
Pre-Discout Extended Eligible Line Item Cost	= \$1,483.38

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$1,483.38

Line Item # 1799090896.005

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MS425-16-HW
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799090896.005

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$1,443.58
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$1,443.58
One-time Quantity	x 1
Total Eligible One-time Costs	= \$1,443.58
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,443.58
Pre-Discout Extended Eligible Line Item Cost	= \$1,443.58

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$1,443.58

Line Item # 1799090896.006

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	LIC-MS425-16-5YR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799090896.006

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$216.56
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$216.56
One-time Quantity	x 1
Total Eligible One-time Costs	= \$216.56
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$216.56
Pre-Discout Extended Eligible Line Item Cost	= \$216.56



Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$216.56

Line Item # 1799090896.007

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SPF-10GB-LR
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799090896.007

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$411.93
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$411.93
One-time Quantity	x 4
Total Eligible One-time Costs	= \$1,647.72
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,647.72
Pre-Discout Extended Eligible Line Item Cost	= \$1,647.72

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$1,647.72

## Line Item # 1799090896.008

### Product and Service Details

Type of Internal Connection Data Distribution

Make Meraki

Is installation included in Price? No

Type of Product

Switch

Model

MA-SPF-10GB-SR

Is the hardware for this FRN line item leased? Yes

### Cost Calculation for FRN Line Item # 1799090896.008

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$102.60
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$102.60
One-time Quantity	x 12
Total Eligible One-time Costs	= \$1,231.20
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,231.20
Pre-Discout Extended Eligible Line Item Cost	= \$1,231.20

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$1,231.20

Line Item # 1799090896.009

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-SFP-1GB-SX
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799090896.009

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$51.56
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$51.56
One-time Quantity	x 1
Total Eligible One-time Costs	= \$51.56
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$51.56
Pre-Discout Extended Eligible Line Item Cost	= \$51.56

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$51.56

Line Item # 1799090896.010

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-CBL-40G-50CM
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799090896.010

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$10.31
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$10.31
One-time Quantity	x 1
Total Eligible One-time Costs	= \$10.31
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$10.31
Pre-Discout Extended Eligible Line Item Cost	= \$10.31



Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$10.31

Line Item # 1799090896.011

Product and Service Details

Type of Internal Connection

Data Distribution

Type of Product

Switch

Make

Meraki

Model

MA-CBL-40G-1M

Is installation included in Price?

No

Is the hardware for this FRN line item leased?

Yes

Cost Calculation for FRN Line Item # 1799090896.011

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$20.62
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$20.62
One-time Quantity	x 5
Total Eligible One-time Costs	= \$103.10
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$103.10
Pre-Discout Extended Eligible Line Item Cost	= \$103.10

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$103.10

Line Item # 1799090896.012

Product and Service Details

Type of Internal Connection	Data Distribution	Type of Product	Switch
Make	Meraki	Model	MA-CBL-40G-3M
Is installation included in Price?	No	Is the hardware for this FRN line item leased?	Yes

Cost Calculation for FRN Line Item # 1799090896.012

Monthly Cost	
Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

One-Time Cost	
One-time Unit Cost	\$30.93
One-time Ineligible Unit Costs	- \$0.00
One-time Eligible Unit Cost	= \$30.93
One-time Quantity	x 1
Total Eligible One-time Costs	= \$30.93
Summary	
Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$30.93
Pre-Discout Extended Eligible Line Item Cost	= \$30.93

Recipients of Services

BEN	Name	Amount
18349	GREENCASTLE ANTRIM ELEM SCH	\$30.93

FRN Calculation for FRN #1799090896

Monthly Charges	
Total Monthly Recurring Charges	\$0.00
Total Monthly Ineligible Charges	- \$0.00
Total Monthly Eligible Charges	= \$0.00
Total Number of Months of Service	x 12
Total Eligible Pre-Discount Recurring Charges	= \$0.00

One-Time Charges	
Total One-Time Charges	\$22,526.82
Total Ineligible One-Time Charges	- \$0.00
Total Eligible Pre-Discount One-Time Charges	= \$22,526.82

Total Requested Amount	
Total Eligible Pre-Discount Recurring Charges	\$0.00
Total Eligible Pre-Discount One-Time Charges	+ \$22,526.82
Total Pre-Discount Charges	= \$22,526.82
Discount Rate	50%
Funding Commitment Request	= \$11,263.41

Connectivity Questions

District/System-wide Internet Access Questions

Does your school district currently aggregate Internet access for the entire district(as opposed to buying Internet access on a building-by-building basis)? Yes

Download Speed	1.00	Download Speed Units	Gbps
Upload Speed	1.00	Upload Speed Units	Gbps

Per Entity Basis Questions

Entity Name GREENCASTLE ANTRIM SCHOOL DIST Entity Number 125742

BEN	Entity Name	Download	Units	Upload	Units	Connection	Wifi Sufficient	Barriers to Robust Network
18349	GREENCASTLE ANTRIM ELEM SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18350	GREENCASTLE ANTRIM PRIMARY SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18351	GREENCASTLE ANTRIM HIGH SCHOOL	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18352	GREENCASTLE ANTRIM MIDDLE SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly

Certifications

I certify that the entities listed in this application are eligible for support because they are schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801(18) and (38), that do not operate as for-profit businesses and do not have endowments exceeding \$50 million.

I certify that the entity I represent or the entities listed on this application have secured access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity, necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support. I certify that the entities I represent or the entities listed on this application have secured access to all of the resources to pay the discounted charges for eligible services from funds to which access has been secured in the current funding year. I certify that the Billed Entity will pay the non-discount portion of the cost of the goods and services to the service provider(s).

Total Funding Summary

Below is a summary of the total line item costs on this FCC Form 471:

Summary	
Total funding year pre-discount eligible amount on this FCC Form 471	\$22,526.82
Total funding commitment request amount on this FCC Form 471	\$11,263.41
Total applicant non-discount share of the eligible amount	\$11,263.41
Total budgeted amount allocated to resources not eligible for E-rate support	\$126,500.00
Total amount necessary for the applicant to pay the non-discount share of eligible and any ineligible amounts	\$137,763.41
Are you receiving any of the funds directly from a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year?	No
Has a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year assisted you in locating funds needed to pay your non-discounted share?	No

I certify an FCC Form 470 was posted and that any related RFP was made available for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted were carefully considered and the most cost-effective service offering was selected, with price being the primary factor considered, and is the most cost-effective means of meeting educational needs and technology goals.

I certify that the entity responsible for selecting the service provider(s) has reviewed all applicable FCC, state, and local procurement/competitive bidding requirements and that the entity or entities listed on this application have complied with them.

I certify that the services the applicant purchases at discounts provided by 47 U.S.C. § 254 will be used primarily for educational purposes, see 47 C.F.R. § 54.500 and will not be sold, resold or transferred in consideration for money or any other thing of value, except as permitted by the Commission's rules at 47 C.F.R. §

54.513. Additionally, I certify that the entity or entities listed on this application have not received anything of value or a promise of anything of value, as prohibited by the Commission's rules at 47 C.F.R. § 54.503(d), other than services and equipment sought by means of this form, from the service provider, or any representative or agent thereof or any consultant in connection with this request for services.

I certify that I and the entity(ies) I represent have complied with all program rules and I acknowledge that failure to do so may result in denial of discount funding and/or cancellation of funding commitments. There are signed contracts or other legally binding agreements covering all of the services listed on this FCC Form 471 except for those services provided under non-contracted tariffed or month-to-month arrangements. I acknowledge that failure to comply with program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.

I acknowledge that the discount level used for shared services is conditional, for future years, upon ensuring that the most disadvantaged schools and libraries that are treated as sharing in the service, receive an appropriate share of benefits from those services.

I certify that I will retain required documents for a period of at least 10 years (or whatever retention period is required by the rules in effect at the time of this certification) after the later of the last day of the applicable funding year or the service delivery deadline for the associated funding request. I acknowledge that I may be audited pursuant to participation in the schools and libraries program. I certify that I will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the application for, receipt of, and delivery of services receiving schools and libraries discounts, and that if audited, I will make such records available to USAC.

I certify that I am authorized to order telecommunications and other supported services for the eligible entity(ies) listed on this application. I certify that I am authorized to submit this request on behalf of the eligible entity(ies) listed on this application, that I have examined this request, that all of the information on this form is true and correct to the best of my knowledge, that the entities that are receiving discounts pursuant to this application have complied with the terms, conditions and purposes of the program, that no kickbacks were paid to anyone and that false statements on this form can be punished by fine or forfeiture under the Communications Act, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001 and civil violations of the False Claims Act.

I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program. I will institute reasonable measures to be informed, and will notify USAC should I be informed or become aware that I or any of the entities listed on this application, or any person associated in any way with my entity and/or the entities listed on this application, is convicted of a criminal violation or held civilly liable for acts arising from their participation in the schools and libraries support mechanism.

I certify that if any of the Funding Requests on this FCC Form 471 are for discounts for products or services that contain both eligible and ineligible components, that I have allocated the eligible and ineligible components as required by the Commission's rules at 47 C.F.R. § 54.504.

**Notice**

Section 54.504 of the Federal Communications Commission's rules requires all schools and libraries ordering services that are eligible for and seeking universal service discounts to submit an application for such discounts by filing this Services Ordered and Certification Form (FCC Form 471) with the Universal Service Administrator. 47 C.F.R. § 54.504. The collection of information stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the application requirements for universal service discounts contained in 47 C.F.R. § 54.504. Schools and libraries must file this form themselves or as part of a consortium. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The FCC is authorized under the Communications Act of 1934, as amended, to collect the information we request in this form. We will use the information you provide to determine whether approving your application for universal service discounts is in the public interest. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information in your application for universal service discounts may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, consistent with the Communications Act of 1934, FCC regulations and orders, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law, information provided in or submitted with this form or in response to subsequent inquiries may be disclosed to the public. If you owe a past due debt to the Federal government, the information you provide may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized. If you do not provide the information we request on the form, the FCC or the Universal Service Administrator may delay processing of your application for universal service discounts or may return your application without action. The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq. Public reporting burden for this collection of information is estimated to average 4.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

**Authorized Person**

<b>Title:</b>	<b>Name:</b>
<b>Phone:</b>	<b>Email:</b>
<b>Address:</b>	<b>Employer:</b>

**Certified Timestamp** 09-May-2017 18:22:44 EDT



COPY OF "GREENCASTLE-ANTRIM SD-HS-YR20-C2 - #171040473"  
471...SHOWING CONSISTENCY/INTENT TO FOLLOW 471 ENTRIES  
FOR THE HS SITE AS EXECUTED FOR THE OTHER 3 SCHOOLS...BUT  
WITH TRUNCATED/INCOMPLETE FRN EQUIPMENT LIST DUE TO  
ISSUE.

1



## FCC Form 471

### Application Information

**Nickname** GREENCASTLE-ANTRIM SD-HS-YR20-C2 **Application Number** 171040473  
**Funding Year** 2017 **Category of Service** Category 2

### Billed Entity

GREENCASTLE ANTRIM SCHOOL DIST  
500 LEITERSBURG ST GREENCASTLE PA 17225  
- 1138  
717-597-3226  
dbard@gcasd.org

### Contact Information

steve mandarino  
412-668-0785  
stevemandarino@advanedgesolutions.com

**Billed Entity Number** 125742  
**FCC Registration Number** 0003271947  
**Applicant Type** School District

### Holiday/Summer Contact Information

ERATESUPPORT2017@ADVANEDGESOLUTIONS.COM 412-668-0785

### Consulting Firms

Name	Consultant Registration Number	City	State	Zip Code	Phone Number	Email
AdvanEdge Solutions Inc. / Intelafunds	16061996	Canonsburg	PA	15317	412-668-0785	eratesupport@advanedgesolutions.com

### Entity Information

#### School District Entity - Details

BEN	Name	Urban/Rural	State LEA ID	State School ID	NCES Code	School District Attributes	Endowment
125742	GREENCASTLE ANTRIM SCHOOL DIST	Urban	421101			Public School District	None

### Related Entity Information

#### Related Child School Entity - Details

BEN	Name	Urban/ Rural	State LEA ID	State School ID	NCES Code	Alternative Discount	School Attributes	Endowment
18349	GREENCASTLE ANTRIM ELEM SCH	Urban		000002202		None	Public School	None
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban		000007427		None	Public School	None
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban		000002206		None	Public School	None
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban		000005117		None	Public School	None

#### Related Child School Entity - Discount Rate Calculation Details

BEN	Name	Urban/ Rural	Number of Students	Students Count Based on Estimate	CEP Percentage
18349	GREENCASTLE ANTRIM ELEM SCH	Urban	770	N/A	
18350	GREENCASTLE ANTRIM PRIMARY SCH	Urban	646	N/A	
18351	GREENCASTLE ANTRIM HIGH SCHOOL	Urban	928	N/A	
18352	GREENCASTLE ANTRIM MIDDLE SCH	Urban	714	N/A	

#### Discount Rate

School District Enrollment	School District NSLP Count	School District NSLP Percentage	School District Urban/ Rural Status	Category One Discount Rate	Category Two Discount Rate	Voice Discount Rate
3058	924	31.0%	Urban	50%	50%	0%

## Funding Request for FRN #1799091071

**Funding Request Nickname:** GREENCASTLE-ANTRIM-HS-SWITCHING AND WIRELESS-YR20

**Service Type:** Internal Connections

### Agreement Information - Contract

<b>Contract Number</b>	GASD YR200006A&B (OWNED)	<b>Account Number</b>	
<b>User-entered Establishing FCC Form 470#</b>	245730001240230	<b>Service Provider</b>	ePlus Technology, Inc. (SPN: 143006553)
<b>Was an FCC Form 470 posted for the product and/or services you are requesting?</b>	Yes	<b>Based on State Master Contract?</b>	Yes
<b>Award Date</b>	April 21, 2017	<b>Based on a multiple award schedule?</b>	Yes
<b>How many bids were received for this contract?</b>	2	<b>Includes Voluntary Extensions?</b>	Yes
<b>What is the service start date?</b>	July 01, 2017	<b>Remaining Voluntary Extensions</b>	1
		<b>Total Remaining Contract Length</b>	30
		<b>What is the date your contract expires for the current term of the contract?</b>	September 30, 2019

Document Name	Document Description
GASD YR20 PEPPM SWITCHES_wireless M INI-BID CONTRACT eplus---dually signed.pdf	DUALLY-SIGNED PEPPM MINI-BID CONTRACT FOR SWITCHES AND RELATED COMPONENTS & WIRELESS EQUIPMENT. CONTAINS PER/UNIT PRICING WHICH IS EXTENDED THROUGHOUT PROJECT AS NEEDED.

### Pricing Confidentiality

**Is there a statute, rule, or other restriction which prohibits publication of the specific pricing information for this contract?** No

**Narrative**

THIS FRN INCLUDES SWITCHING & WIRELESS NETWORK EQUIPMENT PRICING AND CORRESPONDING INSTALLATION SERVICES AS IF NOTED AS ACQUIRED VIA PEPPM MINI-BID PROCESS CONTRACT. ALL EQUIPMENT SERVICES NOTED ARE 100% E-RATE ELIGIBLE...NO VOICE IMPLICATIONS AS THIS EQUIPMENT IS BEING LEVERAGED FOR DATA ONLY. NO INELIGIBLE ENTITIES WILL BE LEVERAGING THIS EQUIPMENT. FRN LEVERAGES SPECIFIC QUOTED LINE ITEM PRICINGS WITHIN THE CORRESPONDING QUOTE CONTRACT TIMES THE QUANTITY PROJECTED FOR THIS PARTICULAR PROJECT.

NOTE: ONLY ONE ITEM UPLOADED...MISSING 2ND WIRELESS ITEM AND ALL SWITCHING ITEMS AS REFLECTED IN BULK UPLOAD FILE

Line Item # 1799091071.002

## Product and Service Details

Type of Internal Connection Wireless Data Distribution

Type of Product

Access Point

Make Meraki

Model

LIC-ENT-5YR

Is installation included in Price? No

Is the hardware for this FRN line item leased? Yes

## Cost Calculation for FRN Line Item # 1799091071.002

### Monthly Cost

Monthly Recurring Unit Cost	\$0.00
Monthly Recurring Unit Ineligible Costs	- \$0.00
Monthly Recurring Unit Eligible Costs	= \$0.00
Monthly Quantity	x 0
Units	0
Total Monthly Eligible Recurring Costs	= \$0.00
Months of Service	x 12
Total Eligible Recurring Costs	= \$0.00

### One-Time Cost

One-time Unit Cost	\$39.45
One-time Ineligible Unit Costs	- \$9.99
One-time Eligible Unit Cost	= \$29.46
One-time Quantity	x 50
Total Eligible One-time Costs	= \$1,473.00

### Summary

Total Eligible Recurring Costs	\$0.00
Total Eligible One-time Costs	+ \$1,473.00
Pre-Discout Extended Eligible Line Item Cost	= \$1,473.00

Recipients of Services

BEN	Name	Amount
18351	GREENCASTLE ANTRIM HIGH SCHOOL	\$1,473.00

FRN Calculation for FRN #1799091071

Monthly Charges	
Total Monthly Recurring Charges	\$0.00
Total Monthly Ineligible Charges	- \$0.00
Total Monthly Eligible Charges	= \$0.00
Total Number of Months of Service	x 12
Total Eligible Pre-Discount Recurring Charges	= \$0.00

One-Time Charges	
Total One-Time Charges	\$1,972.50
Total Ineligible One-Time Charges	- \$499.50
Total Eligible Pre-Discount One-Time Charges	= \$1,473.00

Total Requested Amount	
Total Eligible Pre-Discount Recurring Charges	\$0.00
Total Eligible Pre-Discount One-Time Charges	+ \$1,473.00
Total Pre-Discount Charges	= \$1,473.00
Discount Rate	50%
Funding Commitment Request	= \$736.50

Connectivity Questions

District/System-wide Internet Access Questions

Does your school district currently aggregate Internet access for the entire district(as opposed to buying Internet access on a building-by-building basis)? Yes

Download Speed	1.00	Download Speed Units	Gbps
Upload Speed	1.00	Upload Speed Units	Gbps

Per Entity Basis Questions

Entity Name GREENCASTLE ANTRIM SCHOOL DIST Entity Number 125742

BEN	Entity Name	Download	Units	Upload	Units	Connection	Wifi Sufficient	Barriers to Robust Network
18349	GREENCASTLE ANTRIM ELEM SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18350	GREENCASTLE ANTRIM PRIMARY SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18351	GREENCASTLE ANTRIM HIGH SCHOOL	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly
18352	GREENCASTLE ANTRIM MIDDLE SCH	1.00	Gbps	1.00	Gbps	Copper	Sometimes	Equipment too costly

Certifications

I certify that the entities listed in this application are eligible for support because they are schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801(18) and (38), that do not operate as for-profit businesses and do not have endowments exceeding \$50 million.

I certify that the entity I represent or the entities listed on this application have secured access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity, necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support. I certify that the entities I represent or the entities listed on this application have secured access to all of the resources to pay the discounted charges for eligible services from funds to which access has been secured in the current funding year. I certify that the Billed Entity will pay the non-discount portion of the cost of the goods and services to the service provider(s).

Total Funding Summary

Below is a summary of the total line item costs on this FCC Form 471:

Summary	
Total funding year pre-discount eligible amount on this FCC Form 471	\$1,473.00
Total funding commitment request amount on this FCC Form 471	\$736.50
Total applicant non-discount share of the eligible amount	\$736.50
Total budgeted amount allocated to resources not eligible for E-rate support	\$126,500.00
Total amount necessary for the applicant to pay the non-discount share of eligible and any ineligible amounts	\$127,236.50
Are you receiving any of the funds directly from a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year?	No
Has a service provider listed on any of the FCC Forms 471 filed by this Billed Entity for this funding year assisted you in locating funds needed to pay your non-discounted share?	No

I certify an FCC Form 470 was posted and that any related RFP was made available for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted were carefully considered and the most cost-effective service offering was selected, with price being the primary factor considered, and is the most cost-effective means of meeting educational needs and technology goals.

I certify that the entity responsible for selecting the service provider(s) has reviewed all applicable FCC, state, and local procurement/competitive bidding requirements and that the entity or entities listed on this application have complied with them.

I certify that the services the applicant purchases at discounts provided by 47 U.S.C. § 254 will be used primarily for educational purposes, see 47 C.F.R. § 54.500 and will not be sold, resold or transferred in consideration for money or any other thing of value, except as permitted by the Commission's rules at 47 C.F.R. §

54.513. Additionally, I certify that the entity or entities listed on this application have not received anything of value or a promise of anything of value, as prohibited by the Commission's rules at 47 C.F.R. § 54.503(d), other than services and equipment sought by means of this form, from the service provider, or any representative or agent thereof or any consultant in connection with this request for services.

I certify that I and the entity(ies) I represent have complied with all program rules and I acknowledge that failure to do so may result in denial of discount funding and/or cancellation of funding commitments. There are signed contracts or other legally binding agreements covering all of the services listed on this FCC Form 471 except for those services provided under non-contracted tariffed or month-to-month arrangements. I acknowledge that failure to comply with program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.

I acknowledge that the discount level used for shared services is conditional, for future years, upon ensuring that the most disadvantaged schools and libraries that are treated as sharing in the service, receive an appropriate share of benefits from those services.

I certify that I will retain required documents for a period of at least 10 years (or whatever retention period is required by the rules in effect at the time of this certification) after the later of the last day of the applicable funding year or the service delivery deadline for the associated funding request. I acknowledge that I may be audited pursuant to participation in the schools and libraries program. I certify that I will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the application for, receipt of, and delivery of services receiving schools and libraries discounts, and that if audited, I will make such records available to USAC.

I certify that I am authorized to order telecommunications and other supported services for the eligible entity(ies) listed on this application. I certify that I am authorized to submit this request on behalf of the eligible entity(ies) listed on this application, that I have examined this request, that all of the information on this form is true and correct to the best of my knowledge, that the entities that are receiving discounts pursuant to this application have complied with the terms, conditions and purposes of the program, that no kickbacks were paid to anyone and that false statements on this form can be punished by fine or forfeiture under the Communications Act, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001 and civil violations of the False Claims Act.

I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program. I will institute reasonable measures to be informed, and will notify USAC should I be informed or become aware that I or any of the entities listed on this application, or any person associated in any way with my entity and/or the entities listed on this application, is convicted of a criminal violation or held civilly liable for acts arising from their participation in the schools and libraries support mechanism.

I certify that if any of the Funding Requests on this FCC Form 471 are for discounts for products or services that contain both eligible and ineligible components, that I have allocated the eligible and ineligible components as required by the Commission's rules at 47 C.F.R. § 54.504.

**Notice**

Section 54.504 of the Federal Communications Commission's rules requires all schools and libraries ordering services that are eligible for and seeking universal service discounts to submit an application for such discounts by filing this Services Ordered and Certification Form (FCC Form 471) with the Universal Service Administrator. 47 C.F.R. § 54.504. The collection of information stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the application requirements for universal service discounts contained in 47 C.F.R. § 54.504. Schools and libraries must file this form themselves or as part of a consortium. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The FCC is authorized under the Communications Act of 1934, as amended, to collect the information we request in this form. We will use the information you provide to determine whether approving your application for universal service discounts is in the public interest. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, your application may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information in your application for universal service discounts may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, consistent with the Communications Act of 1934, FCC regulations and orders, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law, information provided in or submitted with this form or in response to subsequent inquiries may be disclosed to the public. If you owe a past due debt to the Federal government, the information you provide may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized. If you do not provide the information we request on the form, the FCC or the Universal Service Administrator may delay processing of your application for universal service discounts or may return your application without action. The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq. Public reporting burden for this collection of information is estimated to average 4.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

**Authorized Person**

<b>Title:</b>	<b>Name:</b>
<b>Phone:</b>	<b>Email:</b>
<b>Address:</b>	<b>Employer:</b>

**Certified Timestamp** 09-May-2017 18:58:14 EDT



**CLOSING STATEMENT:** PLEASE NOTE AGAIN THAT IT IS WITH MUCH CONCERN AND ANXIETY THAT WE SUBMIT THIS APPEAL FOLLOW-UP REQUEST. THE SCHOOL PERFORMED ALL REQUIRED ASPECTS OF THE E-RATE MANDATED PROCESSES AND PROCEDURES BUT UNFORTUNATELY THE OCCURRENCE OF EVENTS OUTSIDE OF THE DISTRICT'S CONTROL (DUE TO EPC BULK UPLOAD ISSUES AND INCOMPLETE/UNEXECUTED COMMUNICATION PROCESSES VIA THE INITIAL PIA REVIEW & APPEAL PROCESSES) CONTRIBUTED TO THIS FUNDING SHORT-FALL. WE EAGERLY AWAIT CORRESPONDENCE REGARDING THIS FCC APPEAL PROCESS TO ASSIST WHERE/AS NEEDED TO ENSURE THAT IDENTIFIED FUNDING NEEDS ARE MET AS THESE ARE EXTREMELY CRUCIAL TO THE DISTRICT'S BUDGETARY AND TECHNOLOGY PLAN AND REQUIREMENTS. THIS CORRECTIVE PROCESS SHOULD NOT HAVE TAKEN THIS LONG BUT DUE TO INITIAL RESOURCES NOT FOLLOWING PROGRAM PRACTICES, SPECIFIC REQUESTS FOR DIRECT COMMUNICATIONS (ALL DOCUMENTED VIA FILED HELPDESK TICKETS AND NOTED PREVIOUSLY VIA THIS FCC APPEAL THREAD) THE SCHOOL HAS BEEN FORCED INTO AND EXTENDED FCC APPEAL.

THANK YOU FOR YOUR TIME, CONSIDERATIONS AND UNDERSTANDING...IT IS APPRECIATED!